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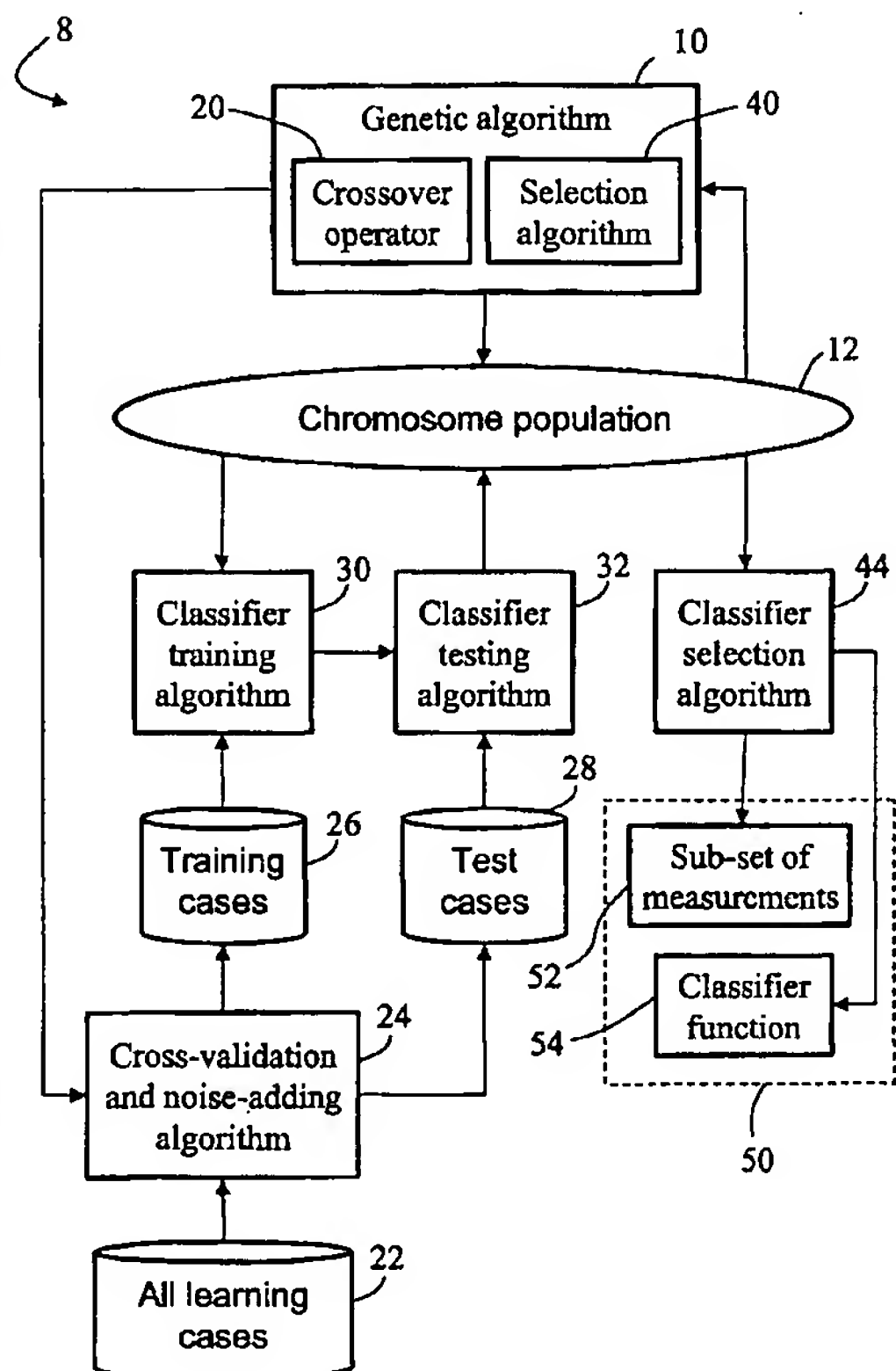
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(54) Title: GENETIC ALGORITHMS FOR OPTIMIZATION OF GENOMICS-BASED MEDICAL DIAGNOSTIC TESTS

(57) Abstract: In a genetic optimization method, the genes of a chromosome population are computationally genetically evolved. The evolving includes evolving a number of expressed genes in each chromosome and employing a fitness criterion evaluated without reference to unexpressed genes of each chromosome. An aptimized chromosome produced by the genetic evolving is selected.





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**Declarations under Rule 4.17:**

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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